

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of claims:

1. (Currently amended) A fuel filter comprising a device for indicating clogging of the fuel filter of internal combustion engines, [in particular diesel engines], the filter comprising an outer casing closed by a cover of amagnetic material, and a filter element which, together with [the] a disc to which [it] said filter element is connected, defines two chambers for fuel entry and exit respectively, said device comprising a pressure sensor means sensing the difference between the entry and exit fuel pressure and housed inside the filter outer casing, and a means for generating a signal proportional to said pressure difference which is not mechanically connected to the pressure sensor means and is located outside the filter casing, characterised in that the pressure sensor means comprises an elastically deformable element which defines a variable volume inside the fuel entry or exit chamber; a conduit which connects said volume to the other chamber; and a magnet which, associated with ~~the flexible~~ said elastically deformable element, moves to follow ~~its~~the elongation or contraction of said elastically deformable element, whereby said elastically deformable element is composed of an extendable membrane.

2. (Currently amended) ~~An indicator device~~ The filter as claimed in claim 1, characterised in that said pressure sensor means is housed in the fuel entry chamber.

3. (Currently amended) ~~An indicator device~~ The filter as claimed in claim 1, characterised in that said elastically deformable element is fixed [by known means,] to the filter [cartridge] element connection disc.

4. (Currently amended) ~~An indicator device~~ The filter as claimed in claim 1, characterised in that said conduit is a through hole passing through the thickness of the [cartridge] element connection disc, in correspondence with [the flexible] said elastically deformable element.

5. (Currently amended) ~~An indicator device~~ The filter as claimed in claim 1, characterised in that said signal generating means comprise:
a Hall sensor sensitive to the magnetic field of the magnet of the pressure sensor means, and a processor for processing the voltage signal generated by the Hall sensor.

6. (Currently amended) ~~An indicator device~~ The filter as claimed in claim 1, characterised in that the signal generating means is positioned on the filter cover.

7. (New) An indicator device to be used in connection with the filter as define in claim 1.

8. (New) An indicator device to be used in connection with the filter as define in claim 2.

9. (New) An indicator device to be used in connection with the filter as define in claim 3.

10. (New) An indicator device to be used in connection with the filter as define in claim 4.

11. (New) An indicator device to be used in connection with the filter as define in claim 5.

12. (New) An indicator device to be used in connection with the filter as define in claim 6.